## UTILITY NOTES NOTES PLAN SHEET FOR ADDITIONAL NOTES

- 2 ALL WATER AND SEWER MATERIALS, CONSTRUCTION METHODS, AND INSTALLATION IS TO BE THE LATEST VERSION OF THE TOWN OF BLACKSBURG'S STANDARDS AND SPECIFICATIONS. UNDIED. UNLESS OTHERWISE
- 3. CONTRACTOR SHALL COORDINATE THE RELOCATION OF PROPOSED IMPROVEMENTS. ALL **EXISTING** UTILITIES WHICH ARE Z CONFLICT WITH
- CONTRACTOR SHALL MAINTAIN UTILITY SERVICE TO ALL EXISTING CUSTOMERS THROUGHOUT CONSTRUCTION AT ATTIMES. THIS MAY REQUIRE TEMPORARY CONNECTIONS AND/OR RELOCATION OF EXISTING SERVICE LINES AND METERS. UNDER NO CIRCUMSTANCES SHALL UTILITY SERVICE BE INTERRUPTED WITHOUT PRIOR AUTHORIZATION FROM AND COORDINATION WITH THE UTILITY OWNER. ALL
- ALL EXISTING MANHOLES, VALVE BOXES, METER BOXES, ETC. AFFECTED BY GRADING ACTIVITIES SHALL BE ADJUSTED TO FINAL GRADE.
- ALL WATER LINES SHALL HAVE A MINIMUM COVER OF 4 FEET.
- CONTRACTOR SHALL CONFIRM THE ANGLES AT WHICH EXISTING SEWER LINES AND LATERALS CONNECT PROPOSED MANHOLES.
- CONTRACTOR SHALL VERIFY THE INVERTS AND PIPE SIZES OF ALL EXISTING SEWER LINES AND LATERALS CONNECTING TO PROPOSED MANHOLES.
- INVERT SHAPING IS REQUIRED ON ALL SANITARY SEWER MANHOLES.

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- 10. ALL BACKFLOW PREVENTERS SHALL BE INSTALLED INSIDE PROPOSED BUILDINGS IN ACCORDANCE WITH THE OF BLACKSBURG'S CROSS—CONNECTION CONTROL AND BACKFLOW PREVENTION REGULATIONS. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION. BACKFLOW PREVENTION DEVICES SHALL BE SUPPLIED THE OWNER. TOWN ΒY
- CONTRACTOR TO COORDINATE THE INSTALLATION/CONSTRUCTION OF BE INSTALLED/CONSTRUCTED BY THE TOWN OF BLACKSBURG. OFF--SITE SANITARY SEWER IMPROVEMENTS TO
- 12. ALL PIV'S ARE TO BE INSTALLED ON EXTERIOR WALLS OF PROPOSED BUILDINGS DIRECTLY ABOVE FIRE SUPPRESSION LINE ENTRY POINT. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- WHERE SERVICE TAPS ARE MADE BELOW AN ELEVATION OF 2100 FEET THE PROVISIONS OF THE UNIFORM STATEWIDE BUILDING CODES ARE TO APPLY.

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- <u>1</u> ALL UTILITIES WILL BE VISUALLY INSPECTED BY THE TOWNS INSPECTOR PRIOR TO BACKFILLING TRENCHES OR AROUND MANHOLE STRUCTURES.
- 15. THE CONTRACTOR SHALL PLUG WITH AN ANGLE WING NUT TEST PLUG THE CONNECTION OF PROPOSED TO EXISTING SANITARY SEWER PRIOR TO EXTENDING THE SANITARY SEWER. THE PLUG SHALL BE MAINTAINED IN PLUNTIL SUCH TIME AS THE SEWER IS COMPLETED, INSPECTED AND ACCEPTED BY THE TOWN. FAILURE OF THE CONTRACTOR TO APPROPRIATELY INSTALL AND MAINTAIN THIS PLUG SHALL CAUSE HIM TO BE LIABLE FOR ANY RESULTING BLOCKAGES OR REPAIRS TO THE EXISTING SEWER.
- SANITARY SEWER LATERALS SHALL BE 6 INCH MINIMUM DIAMETER
- SANITARY SEWER AND LATERAL PIPE SHALL BE SDR-35
- MINIMUM SANITARY SEWER LATERAL SLOPE SHALL BE 2%
- ALL LOWEST FLOOR ELEVATIONS WILL BE SERVED BY GRAVITY SEWER.

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- THE LOWEST FLOOR ELEVATION TO BE SERVED BY THE PROPOSED SANITARY SEWER IMPROVEMENTS IS 2091.93.
- 21. ALL GREASE TRAPS SHALL BE A MINIMUM 1,000 GALLON AND H20 LOAD RATED. GREASE TRAP SIZE WITH ARCHITECT PRIOR TO ORDERING / INSTALLING. CONTRACTOR TO VERIFY
- 22. EXISTING AND PROPOSED GROUND LINE ELEVATIONS ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY MANHOLE DEPTHS AND LOCATIONS BY FIELD STAKING PRIOR TO ORDERING MATERIALS.
- THIS PROJECT DOES NOT LIE WITHIN A FEMA DESIGNATED 100-YEAR FLOODPLAIN.

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24. CONTRACTOR SHALL TRENCH GRAVITY SEWER AND WATER MAINS PER TOWN OF BLACKSBURG STANDARDS SPECIFICATIONS.

AND

- 26. 25. SEWER LATERAL CONNECTIONS AT MANHOLES SHALL MATCH CROWNS WITH THE SEWER MAINS UNLESS OTHERWISE NOTED.
- PLUMBING SHALL CONFORM TO THE UNIFORM STATEWIDE BUILDING CODE AND ALL ORDINANCES. OTHER LOCAL CODES AND
- 27. CHAMBERS OR PITS CONTAINING VALVES, BLOWOFFS, METERS OR OTHER APPURTENANCES TO THE DISTRIBUTION SYSTEM SHALL BE DRAINED TO THE SURFACE OF THE GROUND WHERE THEY ARE NOT SUBJECT TO FLOODING BY SURFACE WATER OR TO ABSORPTION PITS LOCATED ABOVE THE SEASONAL GROUNDWATER TABLE ELEVATION. SUMP PUMPS MAY BE USED WHERE OTHER MEANS ARE NOT PRACTICABLE.
- 28. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND DO NOT REPRESENT ALL UNDERGROUND UTILITIES. PRIOR TO EXCAVATION AND BORINGS, THE CONTRACTOR SHALL CONTACT "MISS UTILITY" (1—800—552—7001) TO HAVE ALL UNDERGROUND UTILITIES LOCATED AND MARKED.
- 29. REMOVAL AND DISPOSAL OF EXISTING STRUCTURES SHALL BE IN ACCORDANCE WITH SECTION 104.05 OF THE 2001 VDOT ROAD AND BRIDGE SPECIFICATIONS EXCEPT THE WORD ENGINEER SHALL BE CHANGED TO OWNER.
- EXISTING IMPROVEMENTS THAT ARE REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT EXPENSE OF THE CONTRACTOR.

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- 31. THE TOWN WILL TAP EXISTING WATER LINES AND PROVIDE AND INSTALL THE METER AT THE OWNER'S EXPENSE. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING THE TOWN WITH THE PROPER METER INSTALLATION ELEVATION.
- TOWN WILL TAP EXISTING WATER LINES FOR MAIN EXTENSIONS OR LATERALS TOWN WILL PROVIDE THE METER AT OWNER'S EXPENSE. AT THE OWNER'S EXPENSE AND

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- 33. WATERMAINS SHALL BE 8" CLASS 50 DUCTILE IRON PIPE.
- 34. ALL DETECTOR CHECK VALVES SHALL BE 8" WITH  $\% \times \frac{3}{4}$  METERS INSTALLED ON BY—PASS LINE. CHECK VALVES SHALL BE AMES SERIES 1000SS. DETECTOR
- 35. CONTRACTOR TO ENSURE THAT ALL EXISTING SANITARY SEWER LATERALS WHICH CONNECT TO EXISTING SANITARY SEWER LINES OR MANHOLES ARE FIELD LOCATED/MARKED AND RECONNECTED TO THE PROPOSED SANITARY SEWER LINES. IDENTIFICATION OF EXISTING LATERAL CONNECTION LOCATIONS MAY REQUIRE THE USE OF VIDEO EQUIPMENT.

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**UTILITY NOTES** 

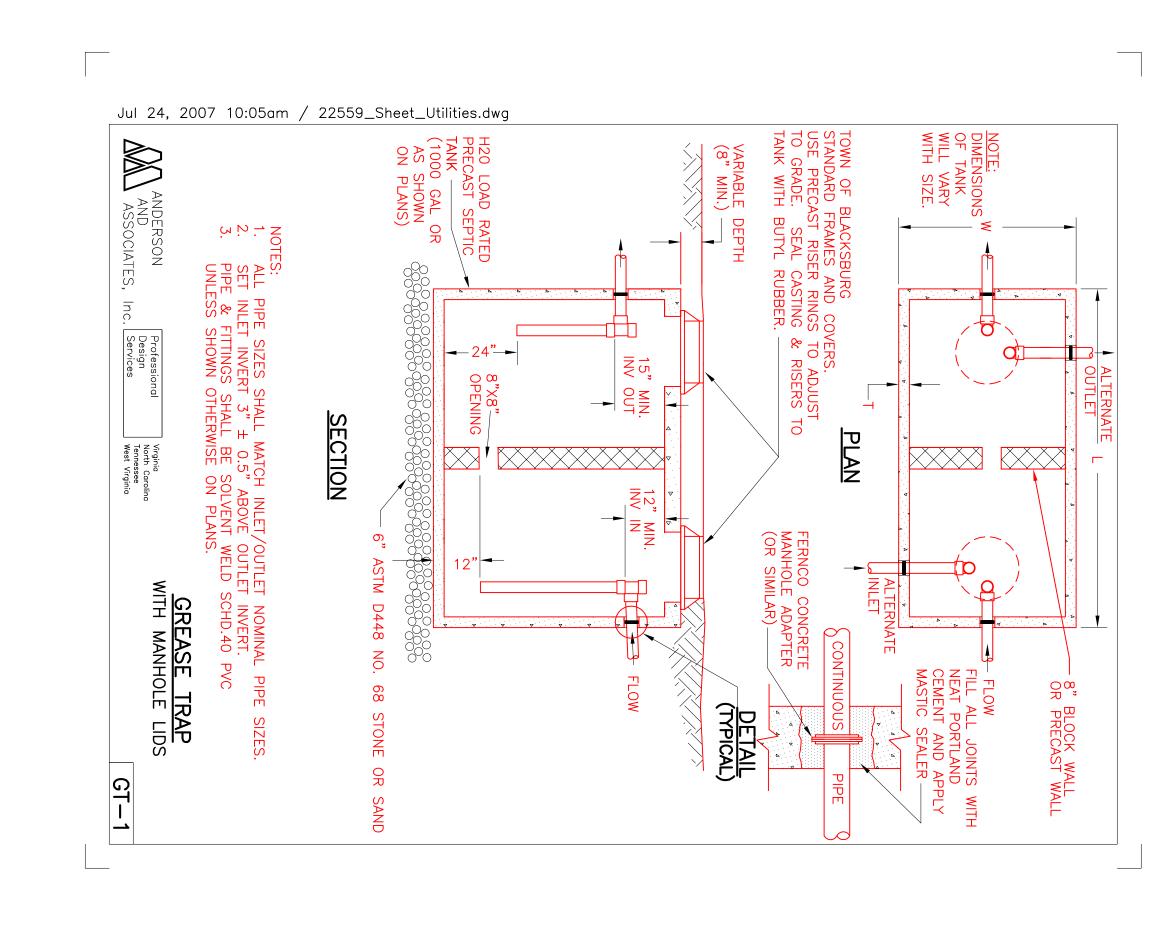
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